

BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

AME WORK : CONSTRUCTION OF RCC DRAIN IN R.K HEGADE NAGAR 2nd MAIN 5th CROSS ROAD IN
ARD NO.06

				Estimate Cost Rs.				5000000.00	
I.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3 (P.142/I.19.1)								
	Hegade Nagar	Cum							
	10th Cross Road (East Side)		1	240.00	1.00	1.00	240.00		
	10th Cross Road (West Side)		1	152.00	1.00	0.90	136.80		
	5th Cross Road (West Side)		1	220.00	1.00	0.90	198.00		
							574.80	86.92	49961.62
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	86.92							
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No.133/ Item No 17.1)								
		Cum							
				Qty Vide Item No.1			574.80	100.00	57480.00
	Average Weight of Earth 1.28 Tonne/Km								
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00							
	Add loading and unloading Item No 17.1)	68.00							
	Total	100.00							
3	KSRRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.3)								
	Hegade Nagar	Cum							
	10th Cross Road (East Side)		1	240.00	1.00	0.15	36.00		
	10th Cross Road (West Side)		1	152.00	1.00	0.15	22.80		
	5th Cross Road (West Side)		1	220.00	1.00	0.15	33.00		
							91.80	5159.02	473598.04
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
Total	5159.02							
KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3-do-TMT Bars Fe 500 P.17/lt.No.4.46.2 (rates effects from 01-07-2017)								
	tonne	No. of Bars	Width/Lengt	Rmtr	Kg/Rmtr	Total in Kg		
10mm dia main bar spacing at 150mm c/c	2	1600	1.95	6240.00	0.617	3850.08		
8mm dia dist bar spacing at 150mm c/c	2	13	240.00	6240.00	0.395	2464.80		
10mm dia main bar spacing at 150mm c/c	2	1013	1.95	3952.00	0.617	2438.38		
8mm dia dist bar spacing at 150mm c/c	2	13	152.00	3952.00	0.395	1561.04		
10mm dia main bar spacing at 150mm c/c	2	1467	1.95	5720.00	0.617	3529.24		
8mm dia dist bar spacing at 150mm c/c	2	13	220.00	5720.00	0.395	2259.40		
					in Kg	16102.94		
					in Qtl	161.0294		
					in tonne	16.1029	64243.42	1034508.19
Basic Rate	60607.00							
Area Weightage @ 6%	3636.42							
Total	64243.42							
5 KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.21 (P.15 / I.4.31)								
Hegade Nagar	Sqm							
10th Cross Road (East Side)		2x2	240.00		0.60	576.00		
10th Cross Road (West Side)		2x2	152.00		0.60	364.80		
5th Cross Road (West Side)		2x2	220.00		0.60	528.00		
						1468.80	310.58	456179.90
Basic Rate	293.00							
Area Weightage @ 6%	17.58							
Total	310.58							
6 Providing & laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs , with 20mm and down size graded granite metal,coarseaggregated @ 0.69cum ,and fine aggregated @ 0.460cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed -2008 machine mixed concrete laid in layers not exceeding 15 crns thick, vibrated for all works in foundation for footings,pedestals,retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts,struts, buttresses, bed blocks, anchor blocks, plinths etc.,including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.specifications No.KBS 4.1,4.6 (P.No.13/ I.No.4.11)								

Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Cum							
		1	240.00	1.00	0.15	36.00		
		1	152.00	1.00	0.15	22.80		
		1	207.00	1.00	0.15	31.05	33.00	
Side wall		2	240.00	0.15	0.60	43.20		
		2	152.00	0.15	0.60	27.36		
		2	207.00	0.15	0.60	37.26	39.60	1286820.45
						197.67	6371.66	1259486.03
						201.96		
Basic Rate	6011.00							
Area Weightage @ 6%	360.66							
Total	6371.66							
Providing and fixing RCC precast Slabs of 0.10 m thick of CC 1:2:4 with 20 mm and down size graded granite metal, machine mixed, including cost of all material, labour, HOM of Machinery, curing complete								
Hegade Nagar	Sqm							
10th Cross Road (East Side)		1	240.00	0.90		216.00		
10th Cross Road (West Side)		1	152.00	0.90		136.80		
5th Cross Road (West Side)		1	214.00	0.90		192.60		
						545.40	2100.00	1145340.00
Data Rate	2100.00							
Sub-Total Amount (A)								4502726.00
8	10% for KRIDL Charges (including GST charges)						450 388.80	450272.60
9	1% for Labour Cess Charges						45038.88	45027.26
10	Miscellaneous and unforeseen charges						684.00	1974.00
Grand Total Amount								5000000.00

(Rupees Fifty Lakhs Only)

CERTIFICATE

- The site has been inspected and the work is found to be necessary.
- The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
- The provisions were made in this estimate are necessary and adequate.
- The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.06

Assistant Executive Engineer
Byatarayanapura Sub-Division
B.B.M.P

Executive Engineer
Byatarayanapura Division
B.B.M.P

ADMINISTRATIVE APPROVAL

Accorded For Rs. Fifty lakhs only

Head of A/c. P-1878

Div. Ref. No. 60/17-18 Date 11/12/17

AE

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Technical Sanction
Accorded For 50.00 lakhs Rs.
Head of A/c. P-1878
CER NO. 431 Dt. 11/12/17

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